

FIG. 1

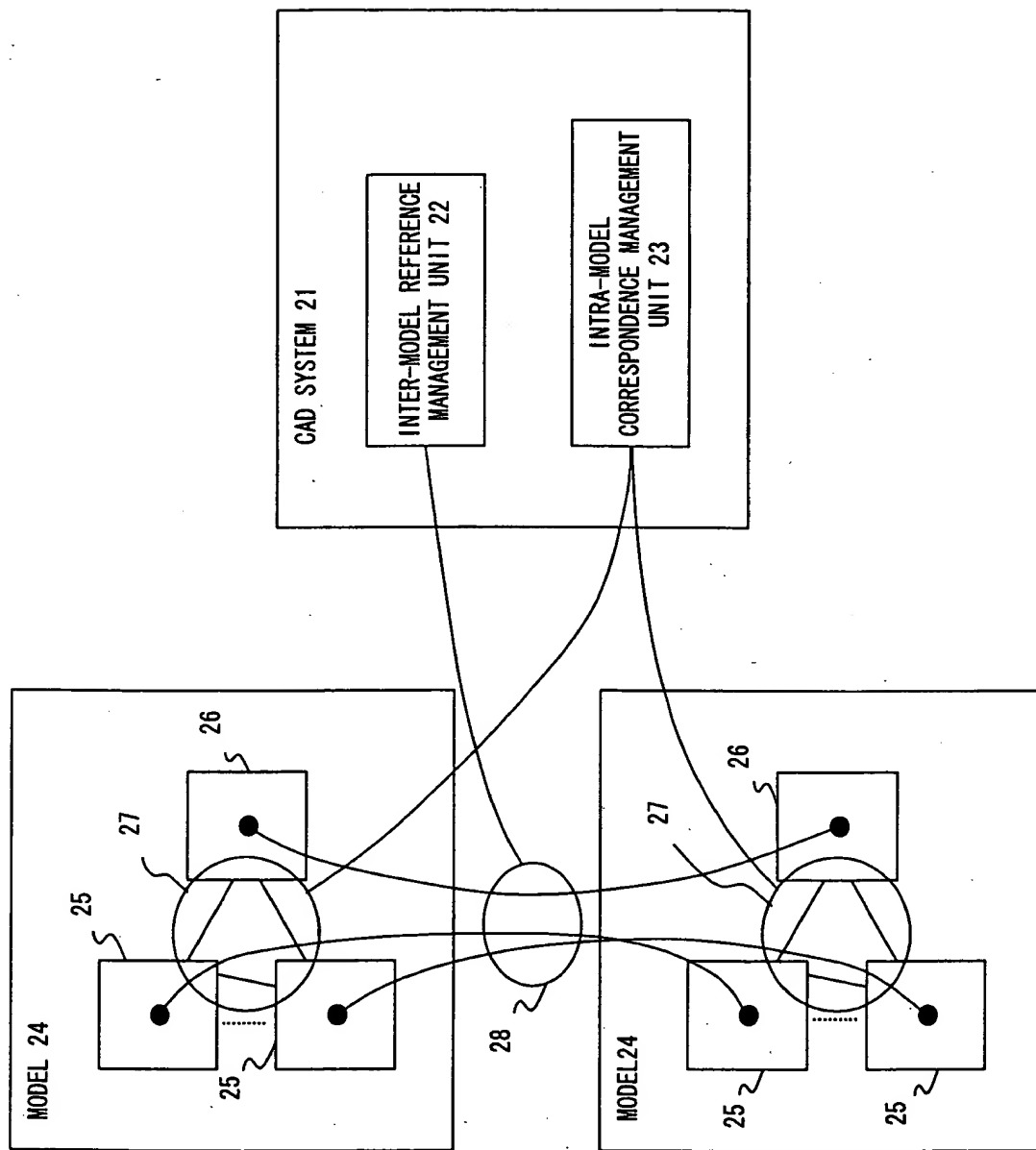
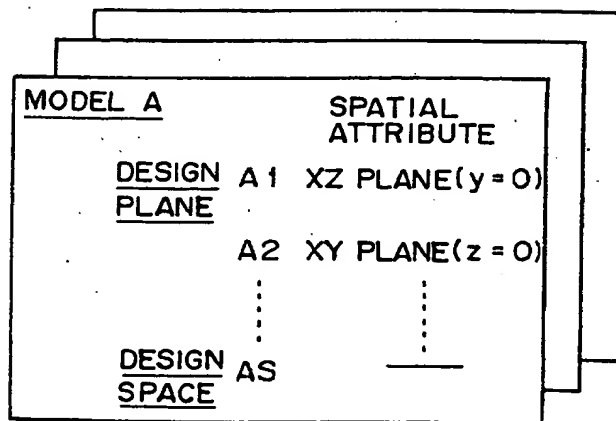


FIG. 2

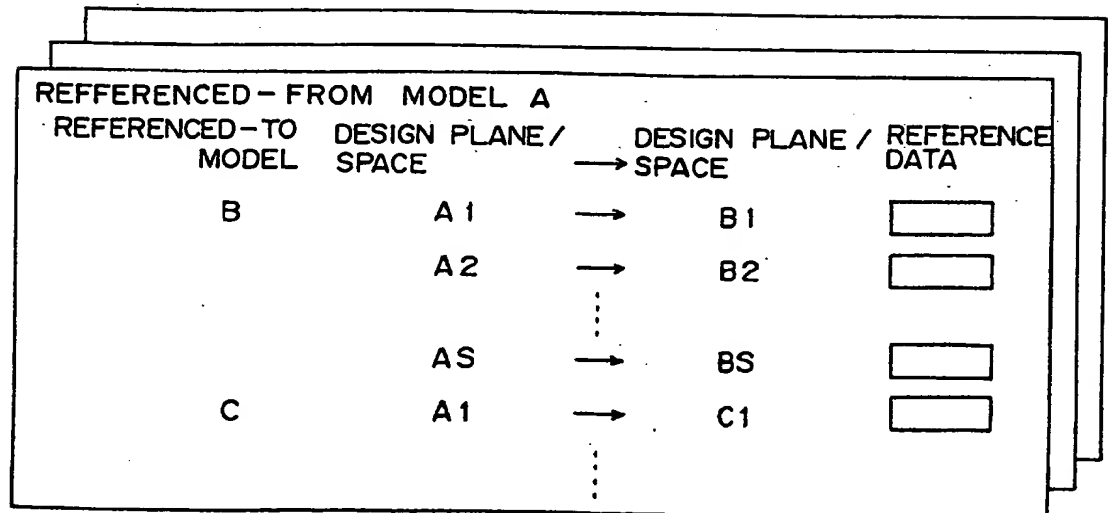
MODEL INFORMATION



MODEL A		SPATIAL ATTRIBUTE
<u>DESIGN PLANE</u>	A 1	XZ PLANE($y = 0$)
	A 2	XY PLANE($z = 0$)
	⋮	⋮
<u>DESIGN SPACE</u>	AS	_____

FIG. 3A

MODEL REFERENCE INFORMATION



REFERENCED - FROM MODEL A				
REFERENCED-TO MODEL	DESIGN PLANE/ SPACE	→	DESIGN PLANE / SPACE	REFERENCE DATA
B	A 1	→	B 1	<input type="text"/>
	A 2	→	B 2	<input type="text"/>
	⋮	⋮		
	AS	→	BS	<input type="text"/>
C	A 1	→	C 1	<input type="text"/>
	⋮	⋮		

FIG. 3B

MODEL D

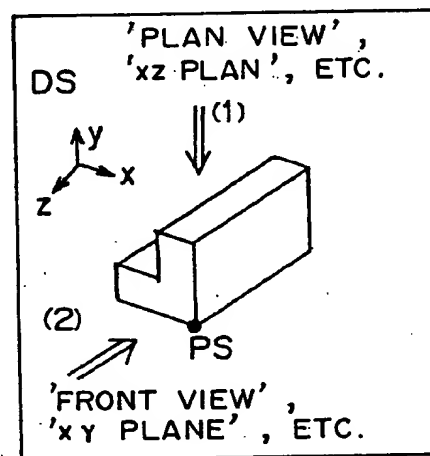
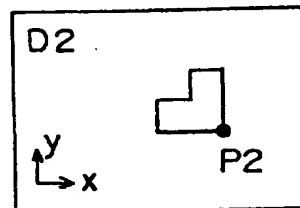
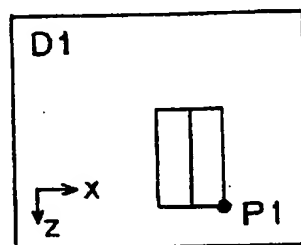


FIG. 4

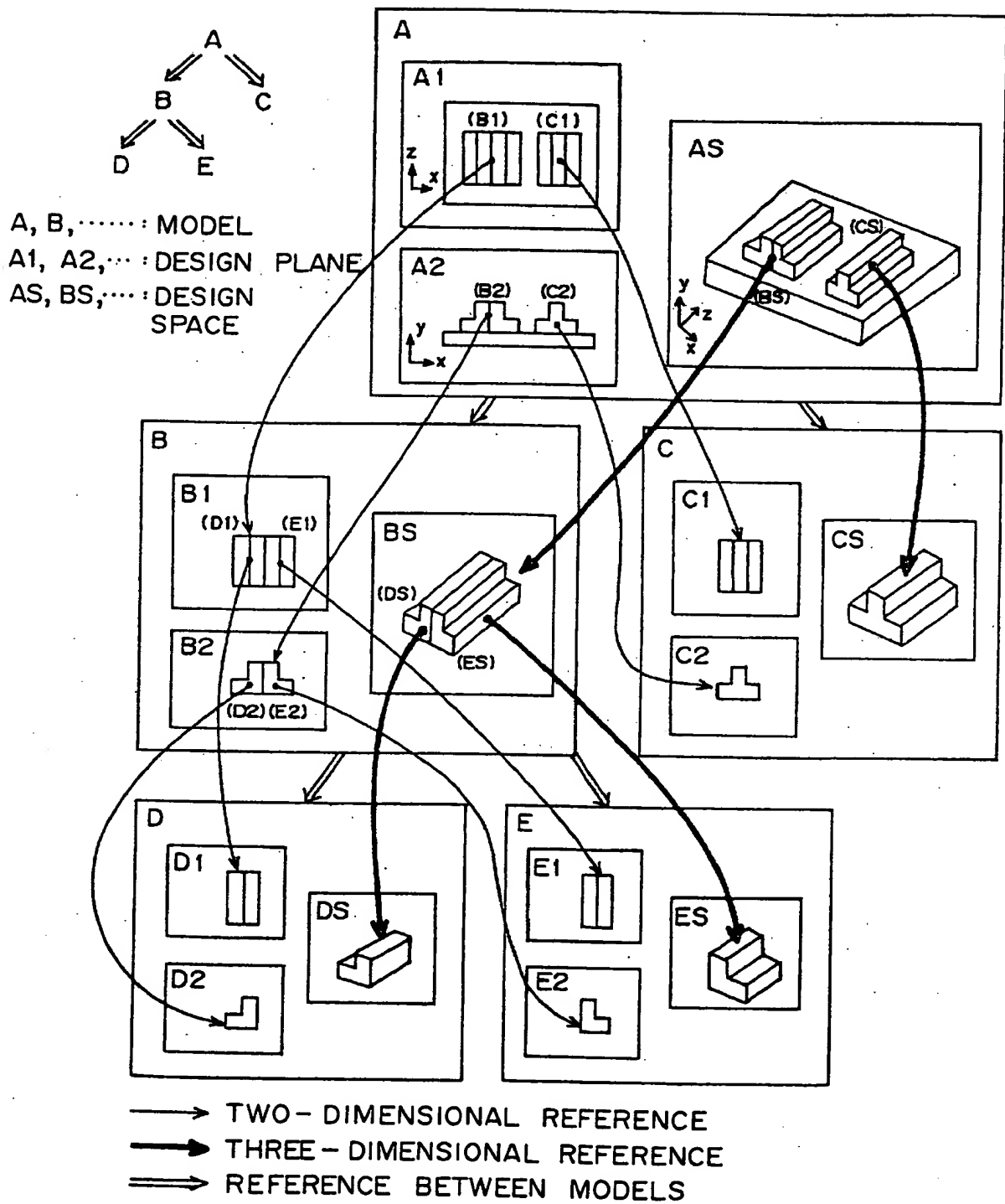


FIG. 5

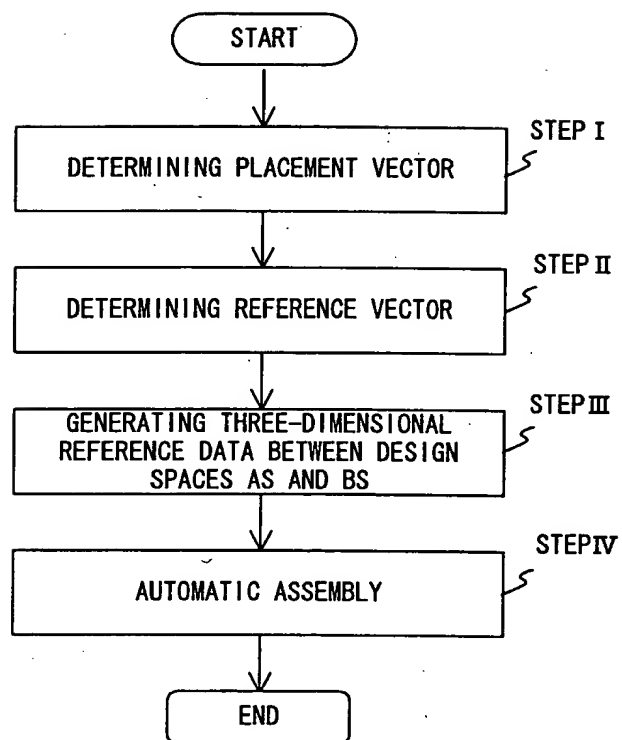


FIG. 7

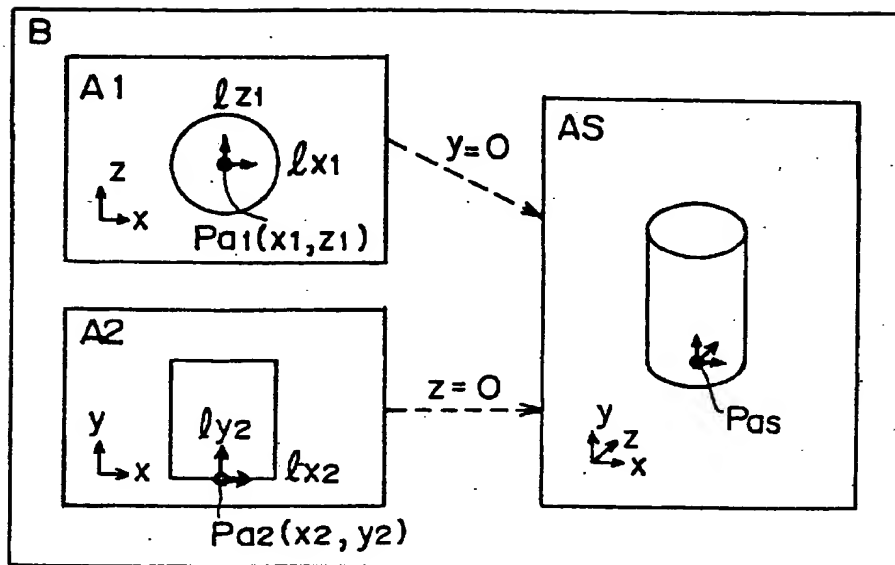


FIG. 8A

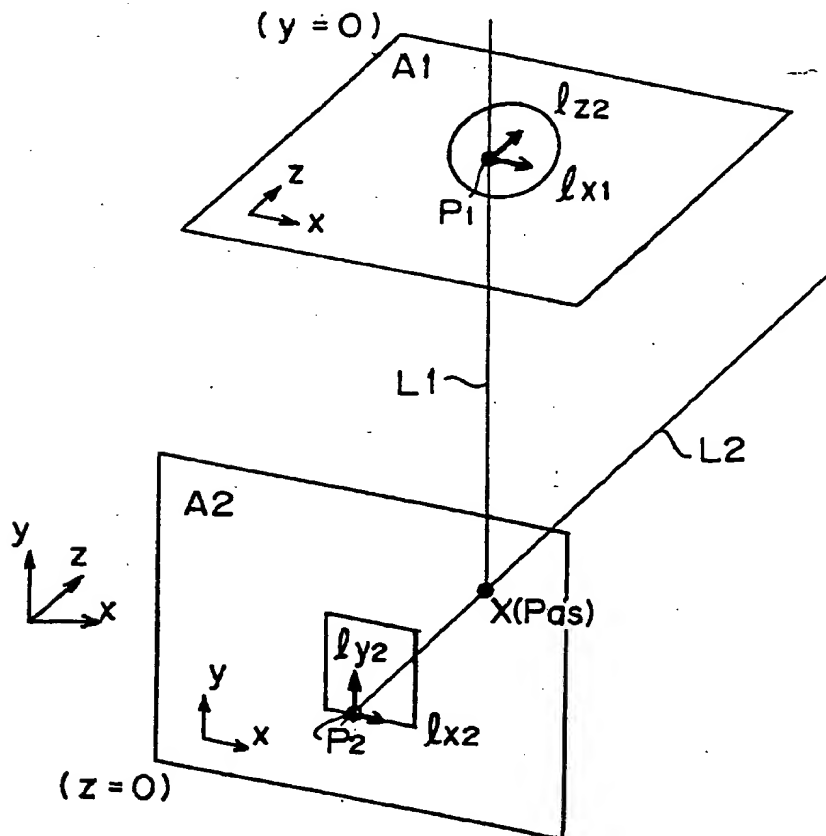


FIG. 8B

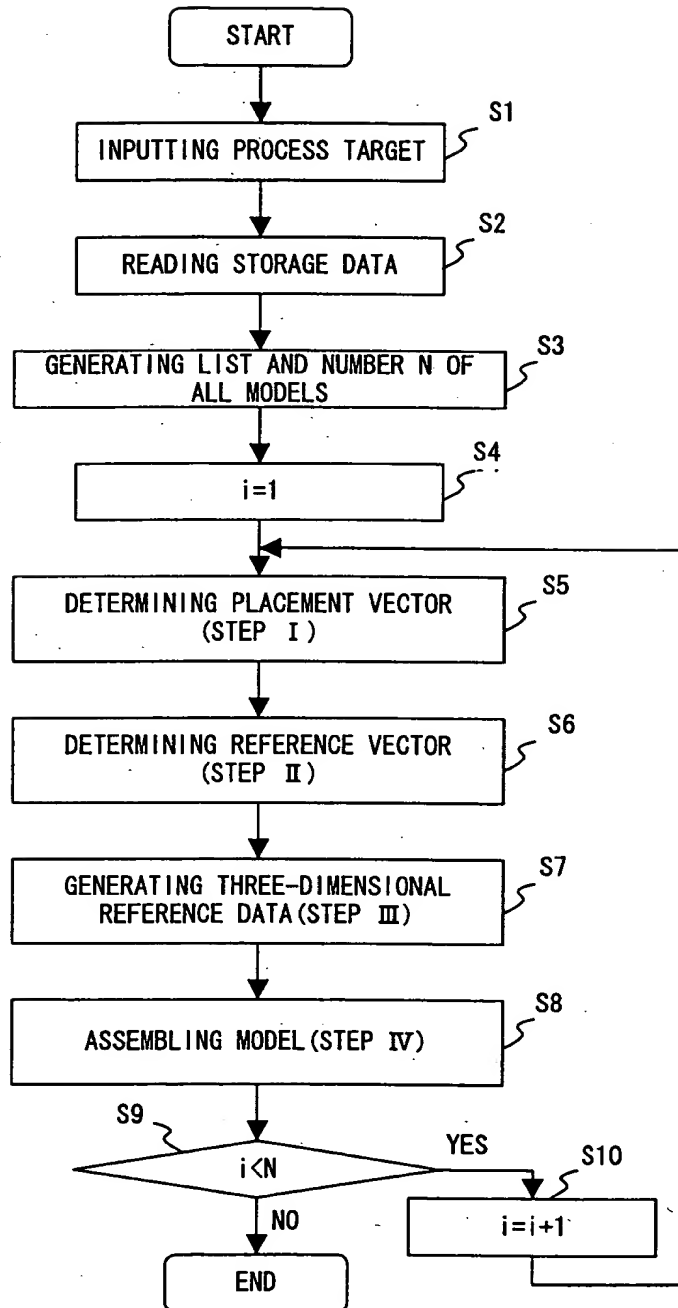


FIG. 9

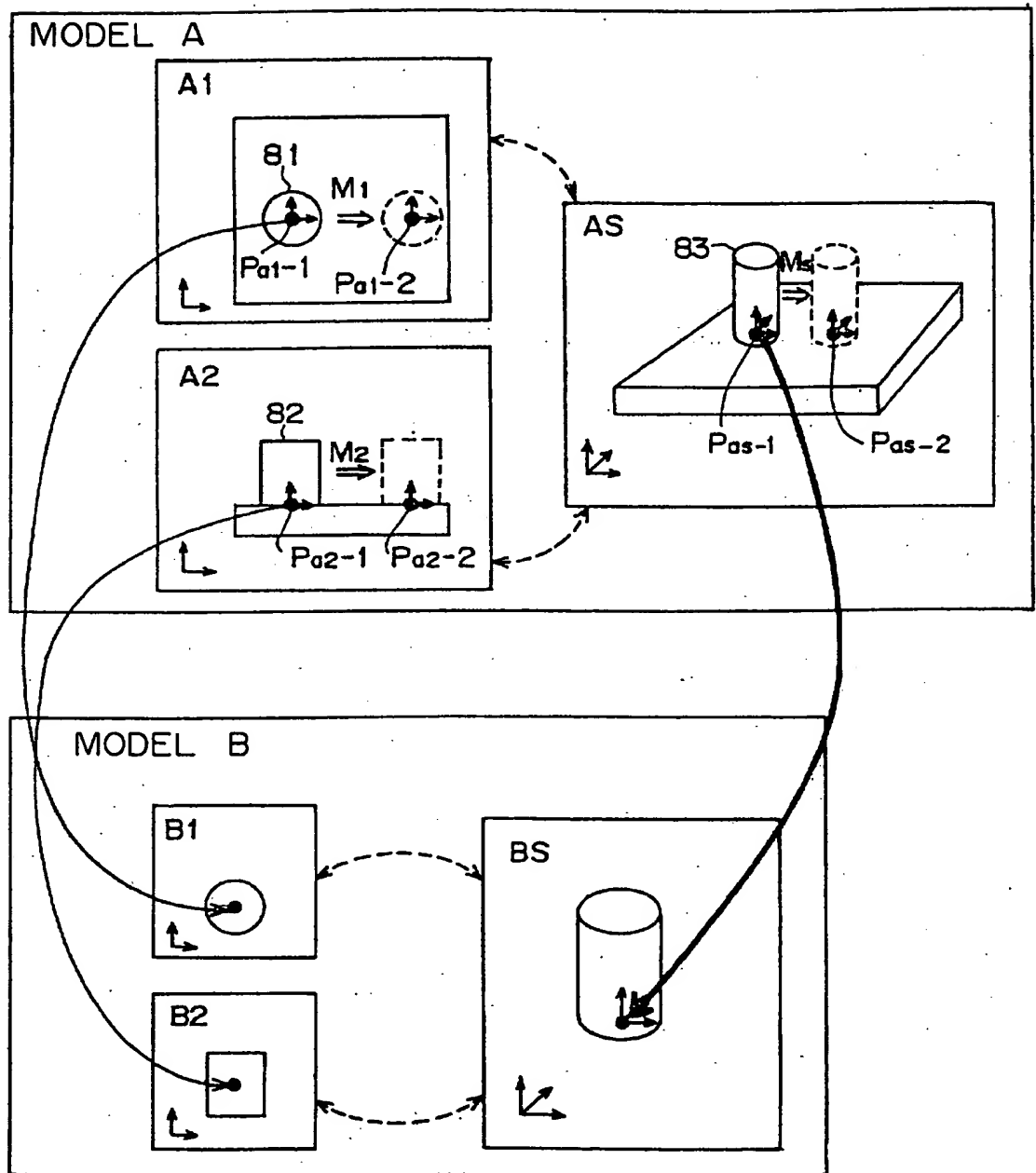


FIG. 10

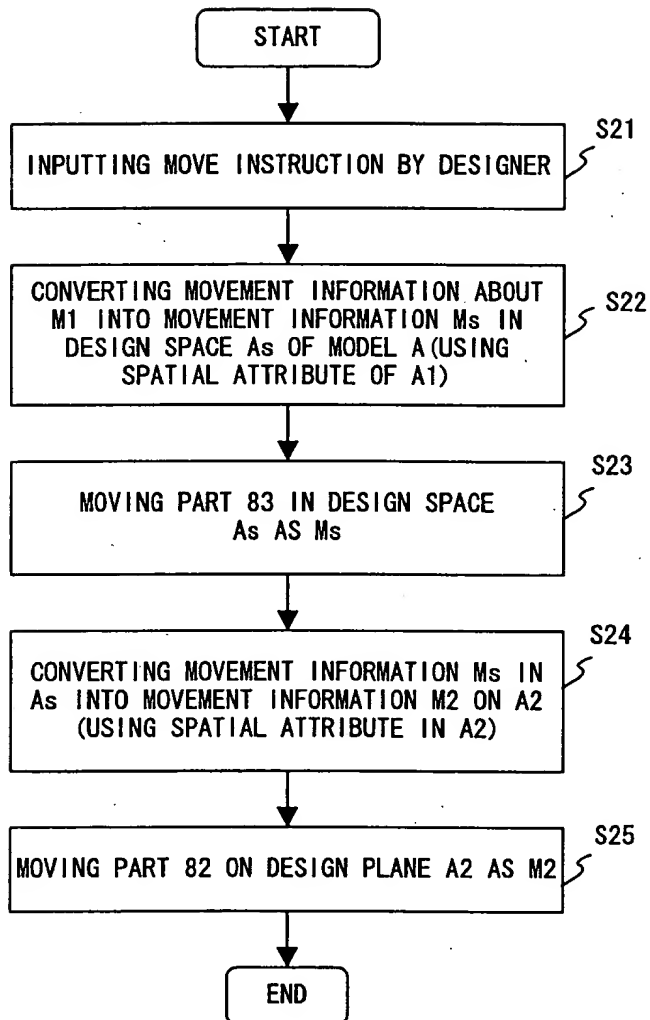
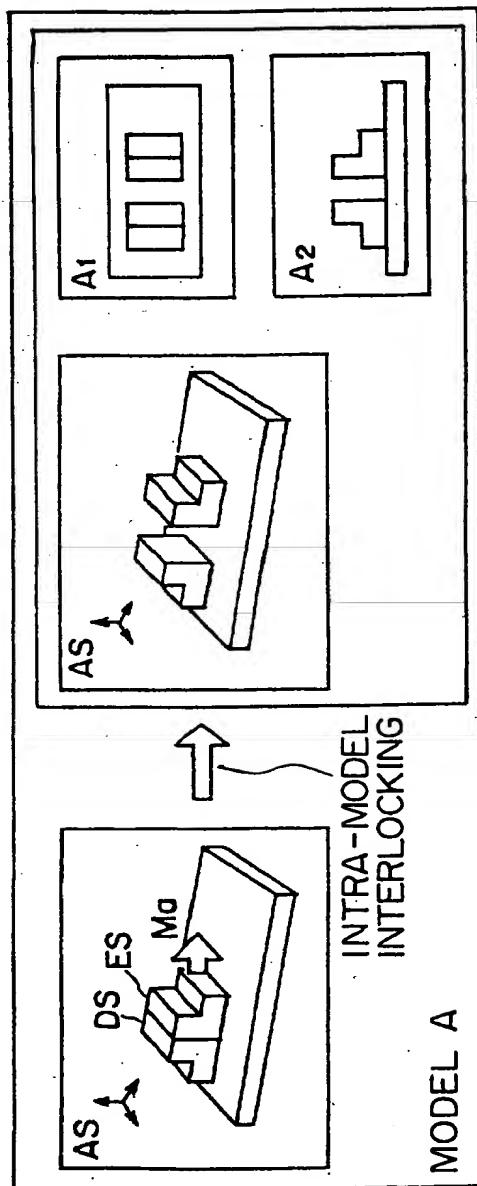


FIG. 11



INTER-MODEL INTERLOCKING

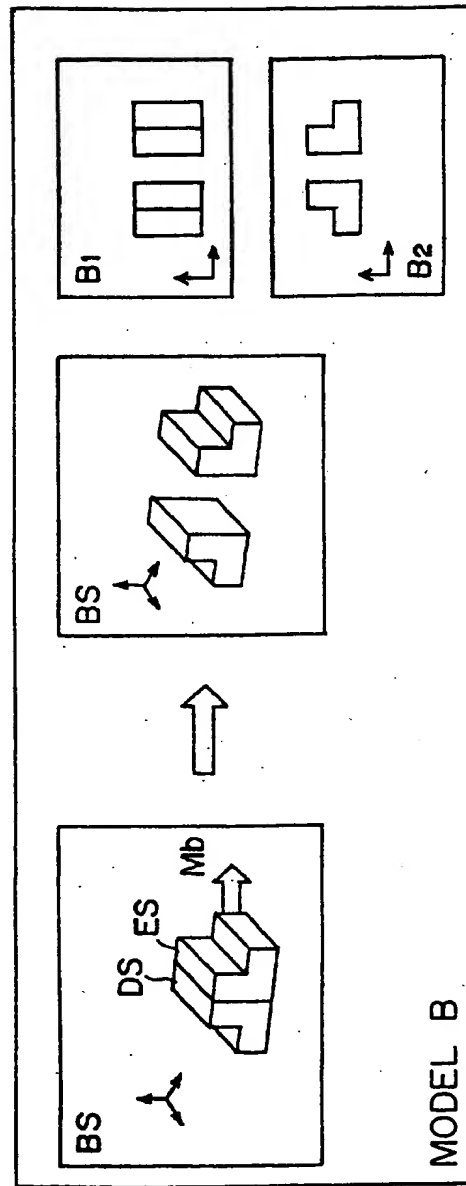


FIG. 12

2025 RELEASE UNDER E.O. 14176

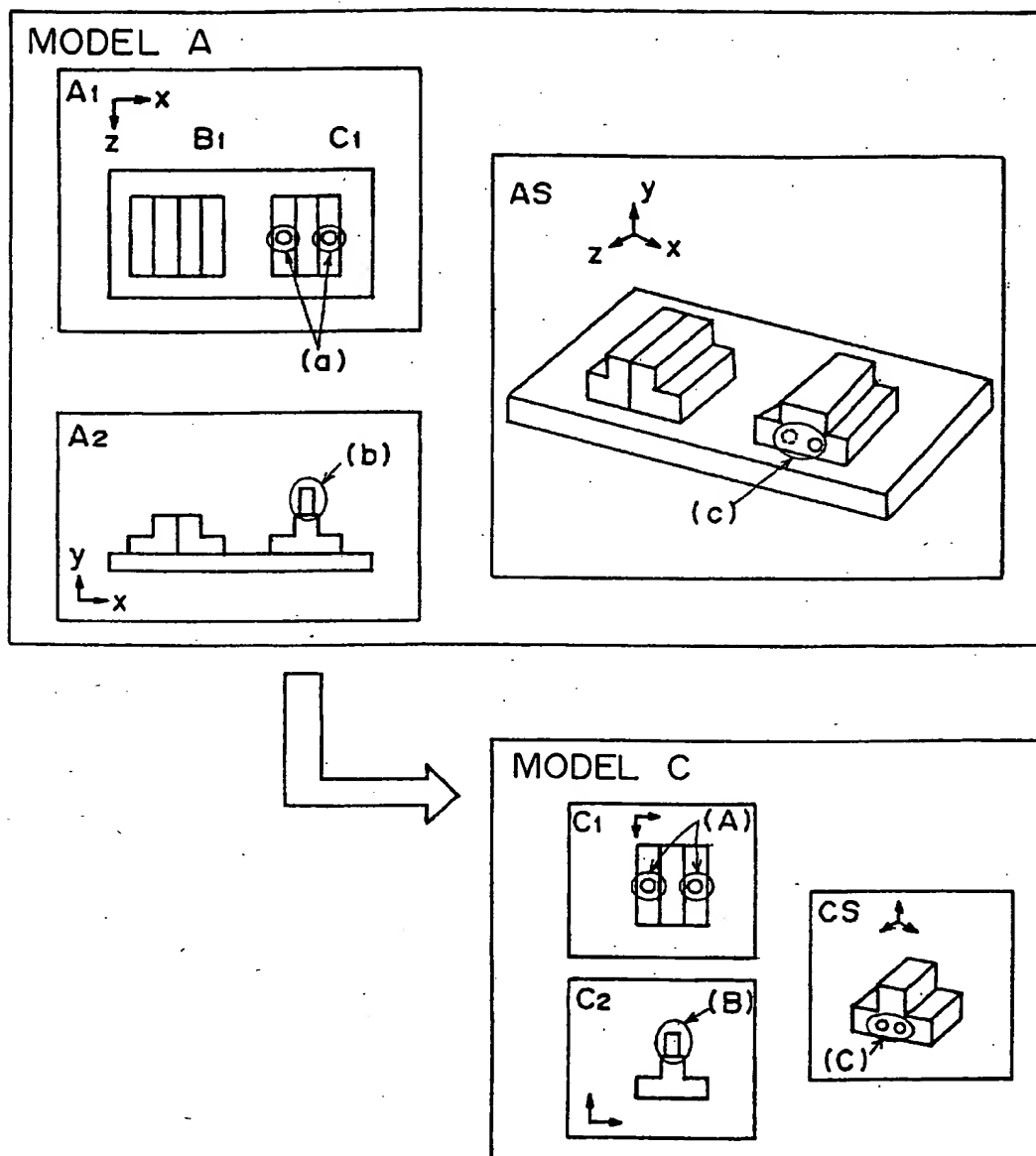


FIG. 13

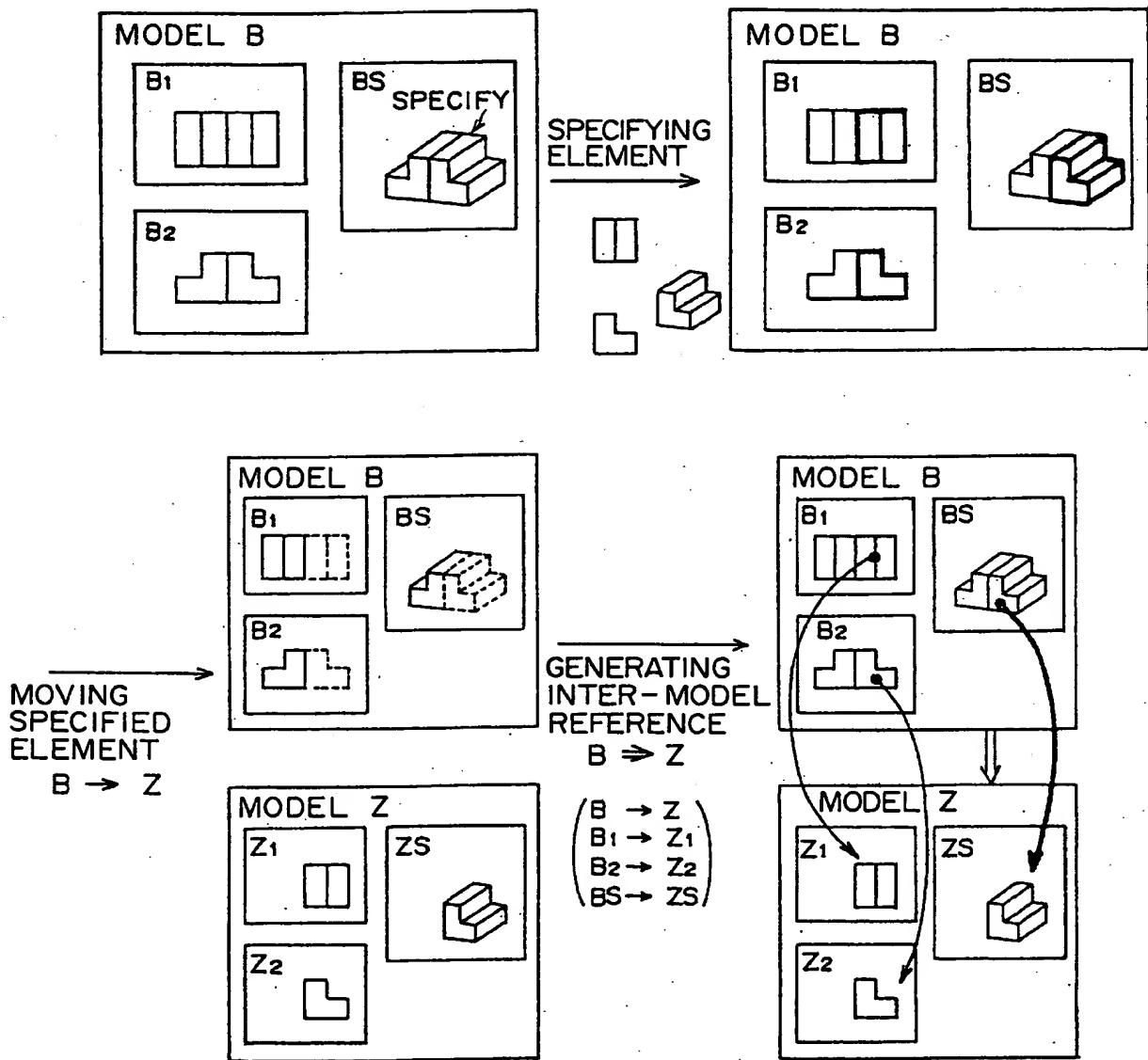


FIG. 14

2025 RELEASE UNDER E.O. 14176

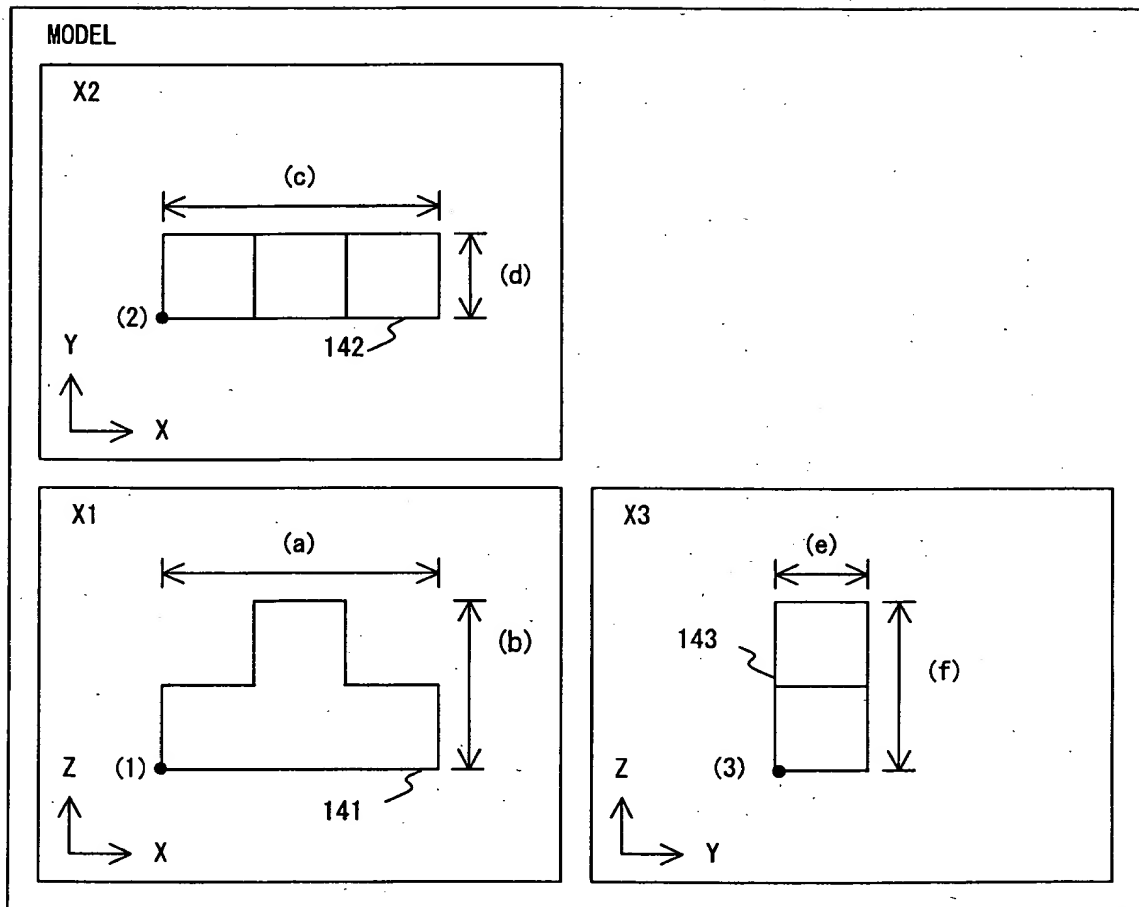


FIG. 16

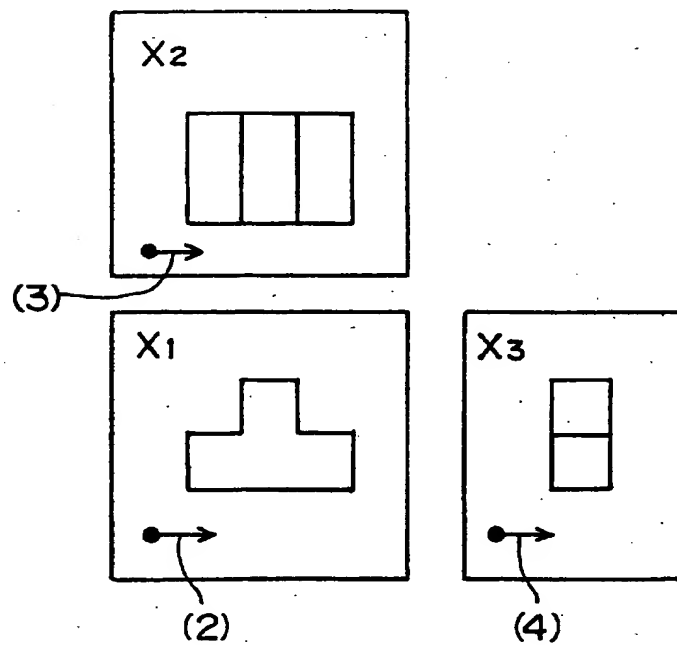
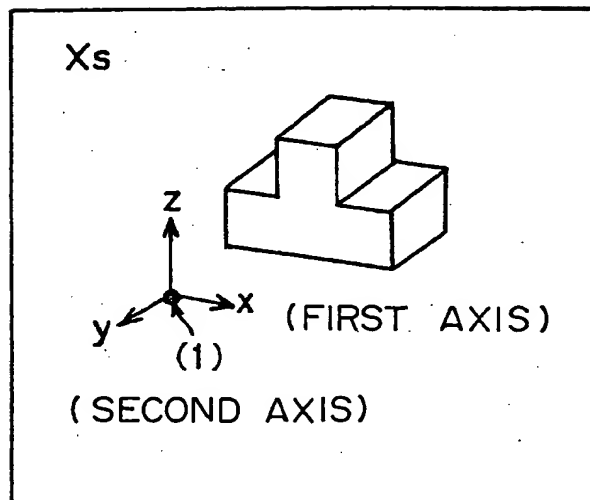
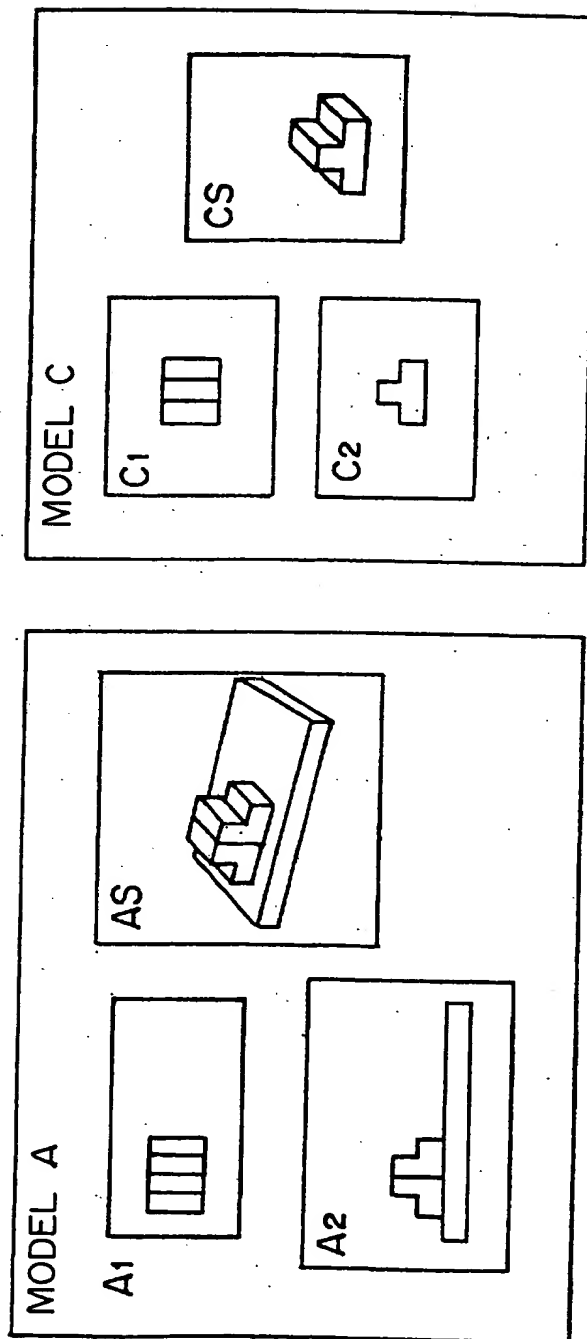


FIG. 17



REFERENCED-FROM MODEL
(TO WHICH MODEL IS PLACED)

REFERENCED-TO MODEL
(FROM WHICH MODEL IS PLACED)

FIG. 18

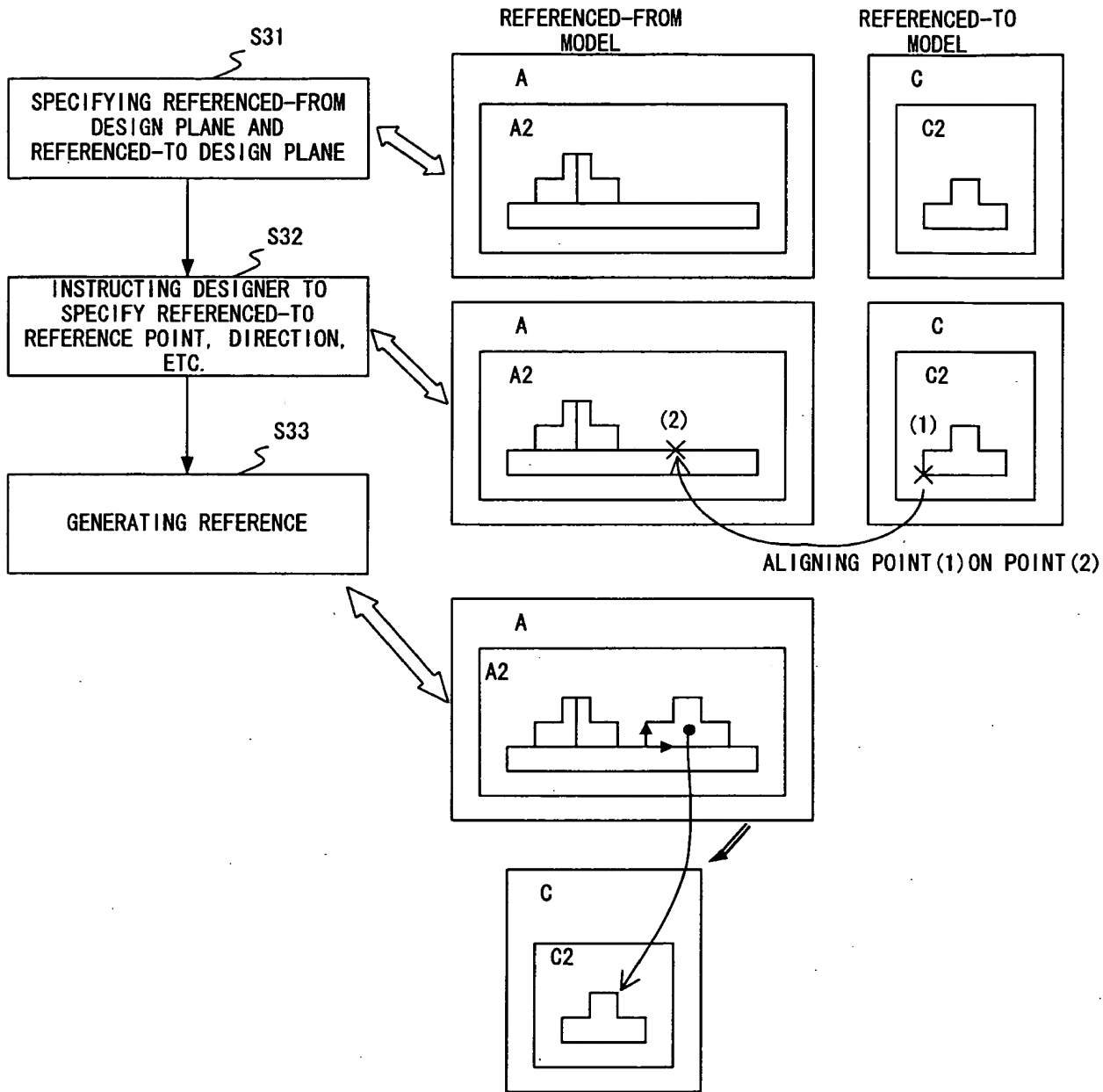
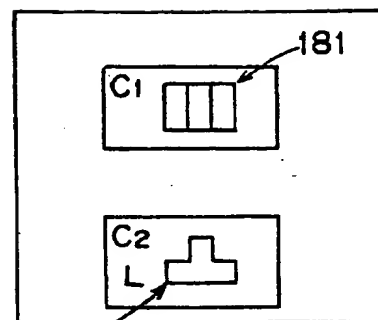
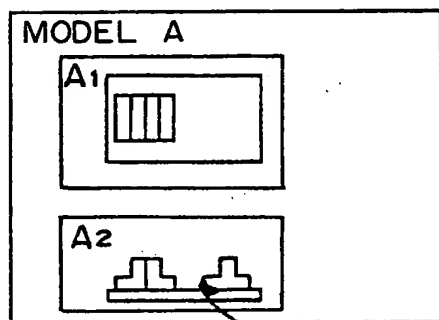


FIG. 19

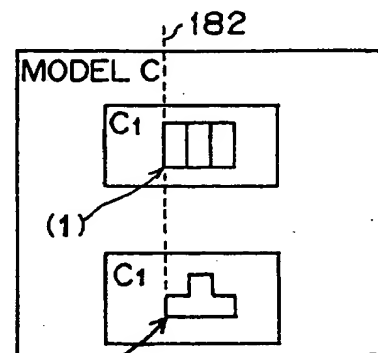
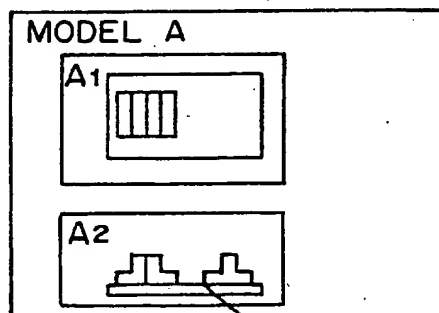
STEP 41



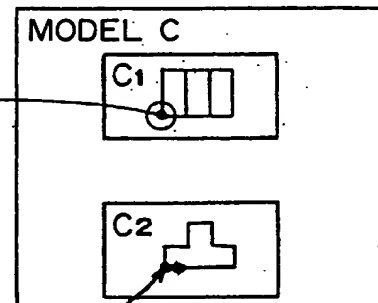
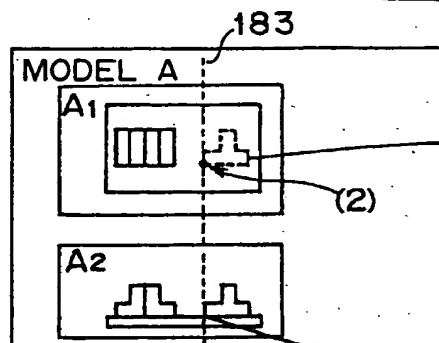
REFERENCE BETWEEN A2 — C2



STEP 42



STEP 43



STEP 44

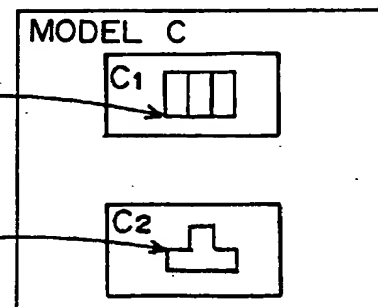
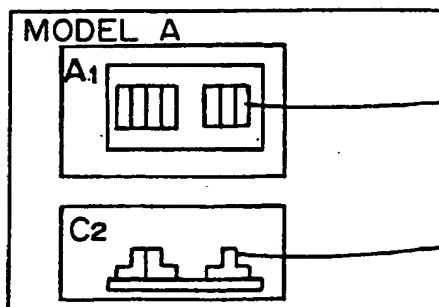


FIG. 20

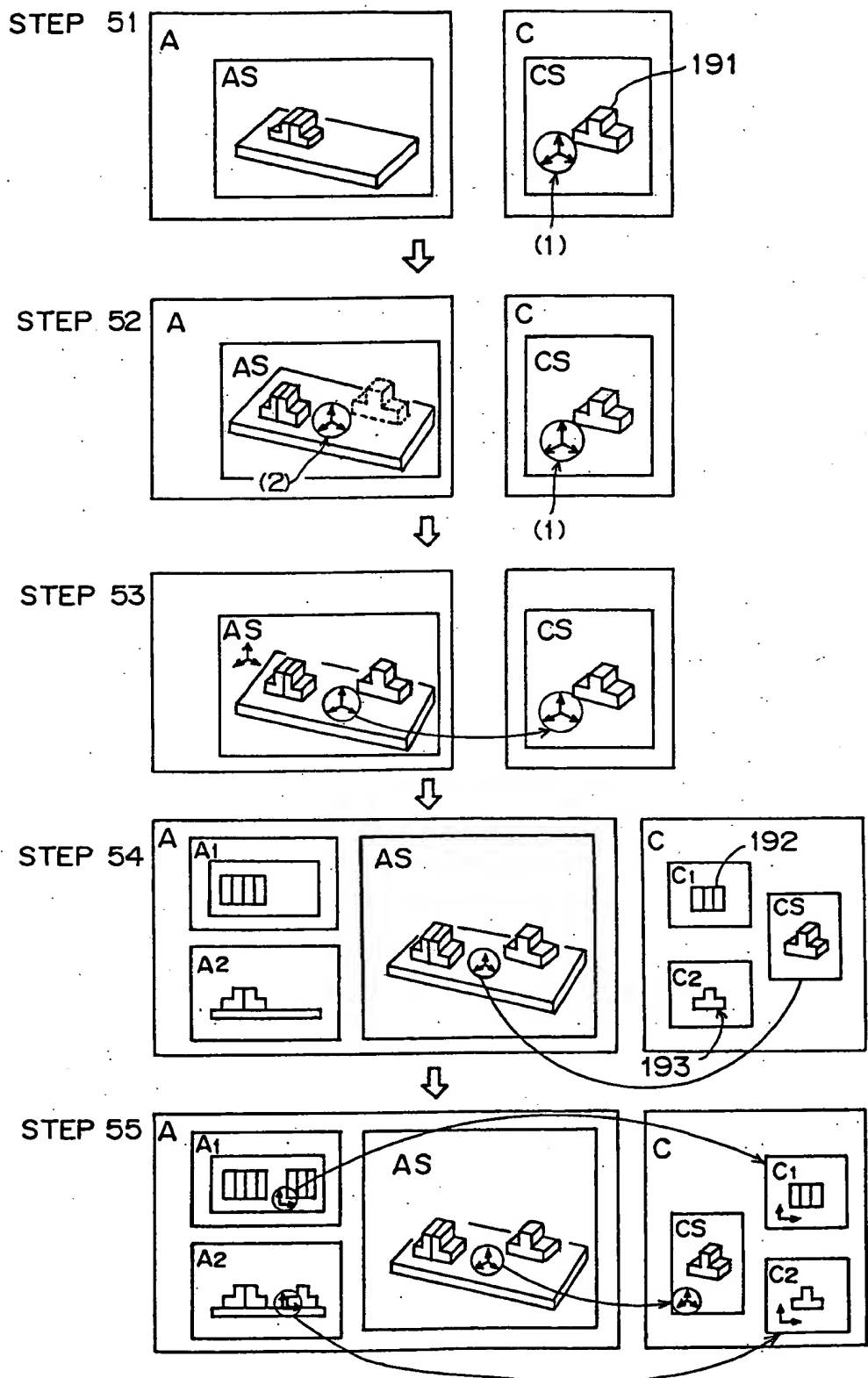


FIG. 21

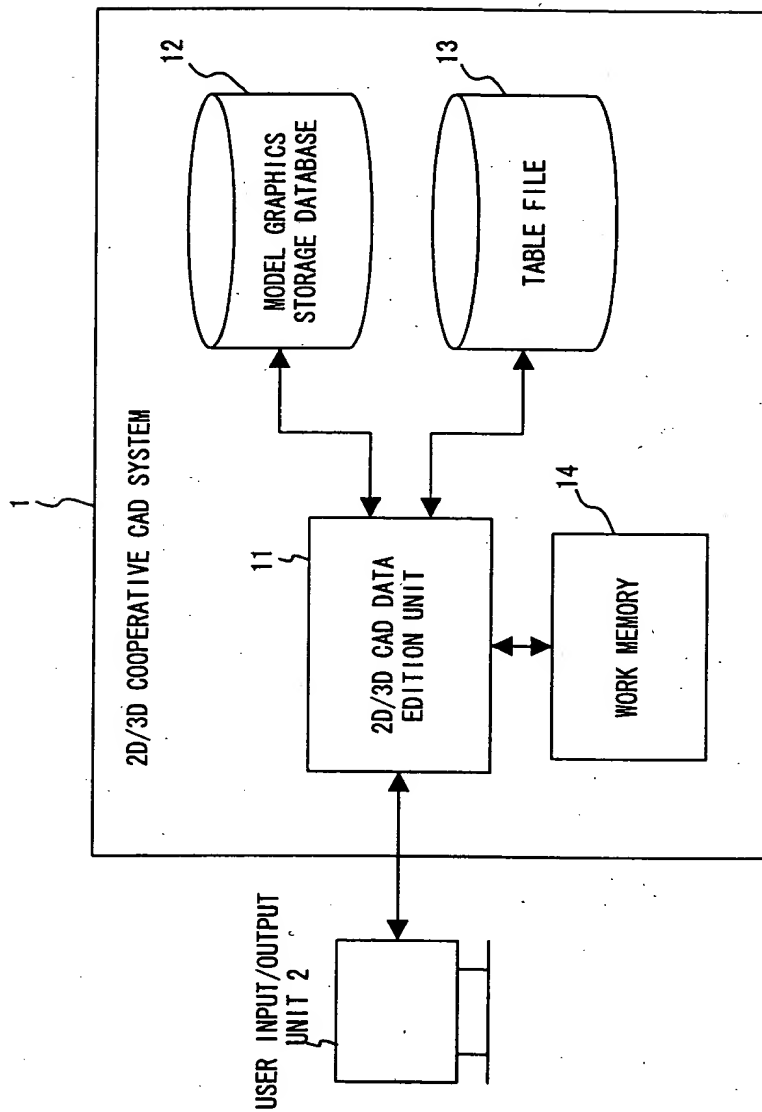


FIG. 22

1. The first part of the report, which is the most important, is the one that deals with the results of the study. This part is divided into two main sections: the first section deals with the results of the study, and the second section deals with the conclusions of the study.

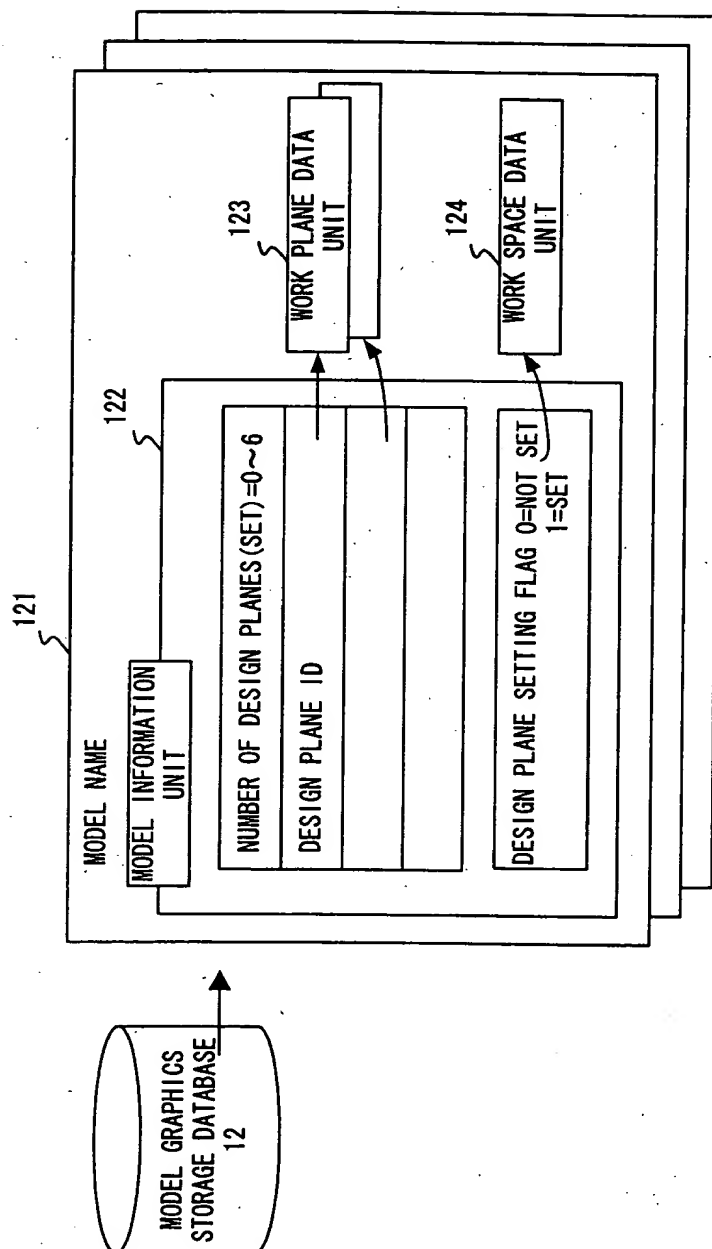


FIG. 23

UNITED STATES GOVERNMENT

MODEL FILE NAME	
WORK PLANE DATA UNIT	
GRAPHIC DATA UNIT	
GRAPHIC ID	GRAPHIC INFORMATION
1	
2	
3	

SINGLE 3D PARTS DATA UNIT				
3D REFERENCE INFORMATION				
PART ID	PLACEMENT POINT (X, Y, Z)	FIRST AXIS	SECOND AXIS	FILE NAME
1	(0, 0, 0)	X AXIS (1, 0, 0)	Y AXIS (0, 1, 0)	PART FIGURE 10
2	(15, 10, 10)	-Y AXIS (0, -1, 0)	-Z AXIS (0, 0, -1)	PART FIGURE 2
3				

FIG. 25

UNIT FIGURE 20 REFERENCE INFORMATION

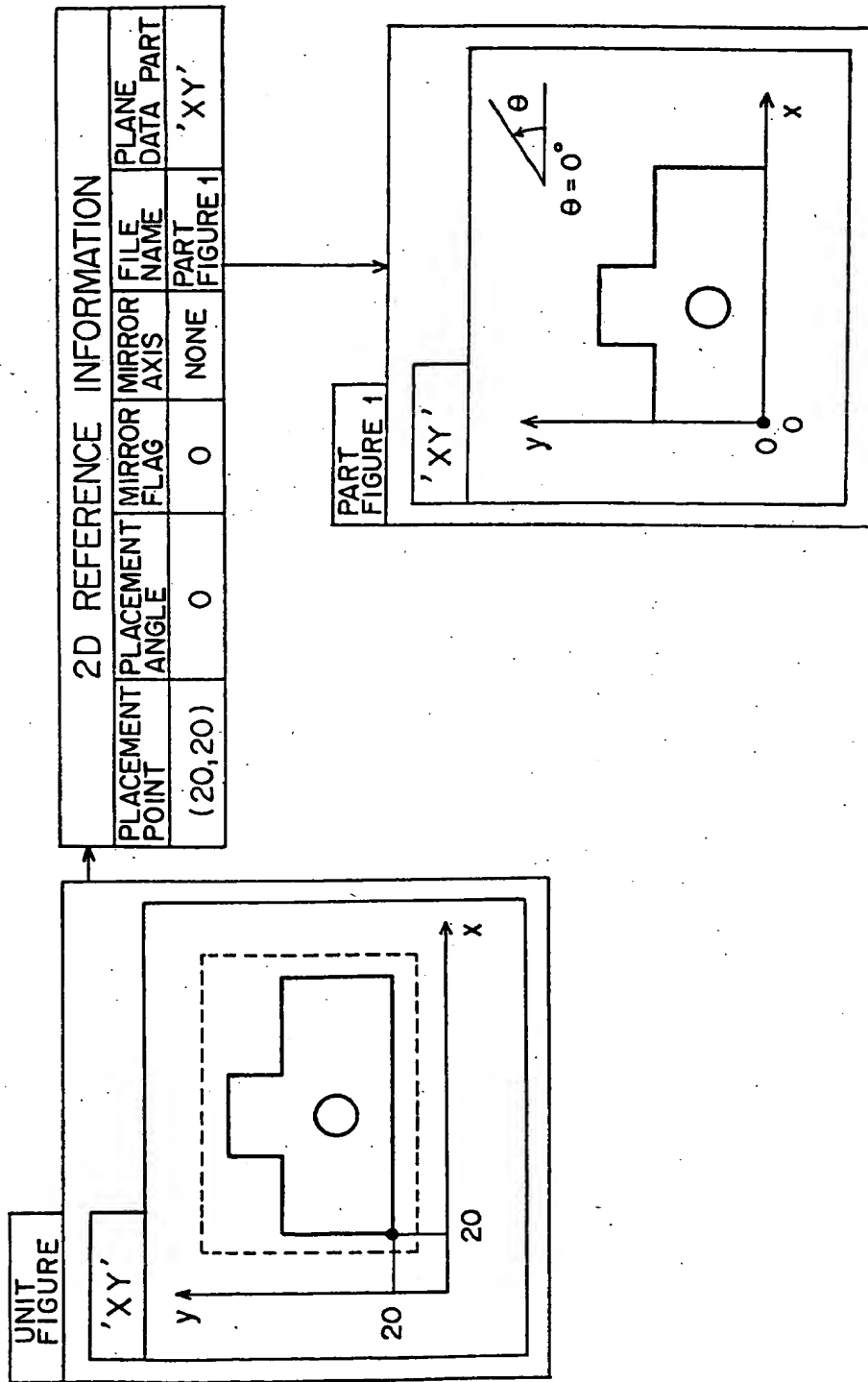


FIG. 26

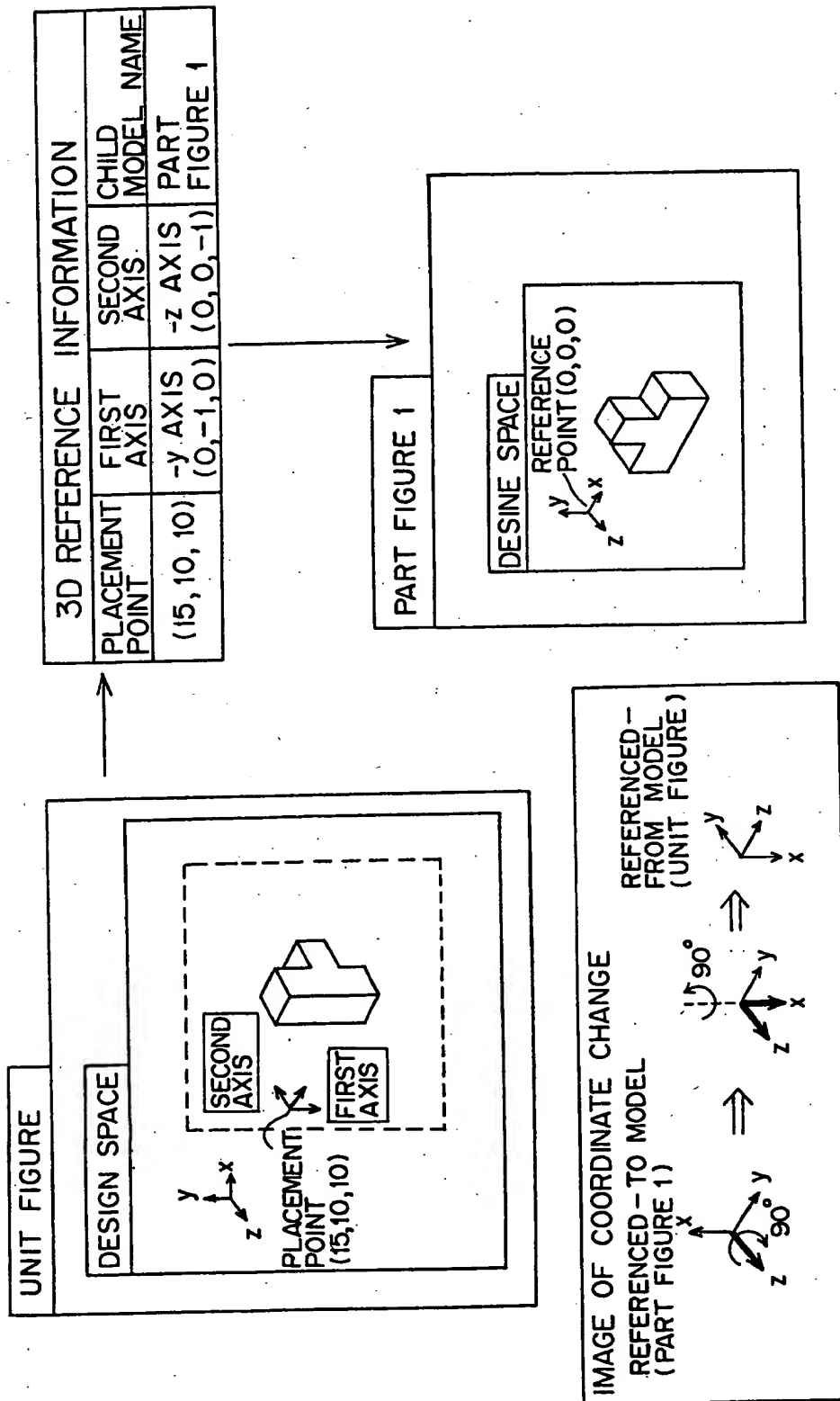


FIG. 27

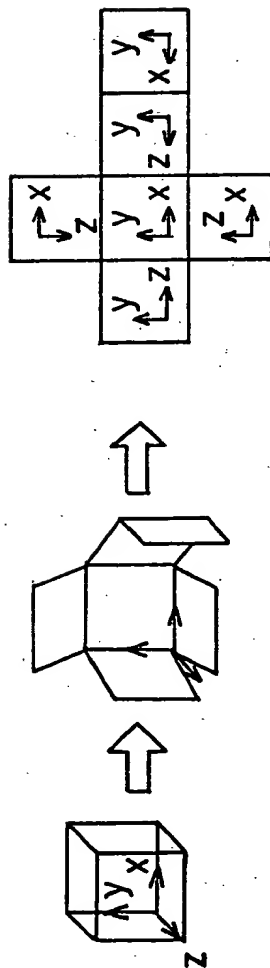


FIG. 29A

PLANE ID

PLANE NAME

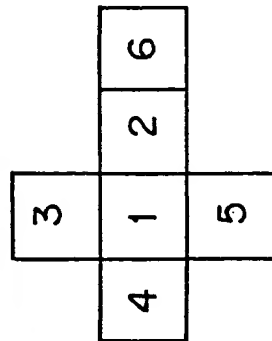


FIG. 29B

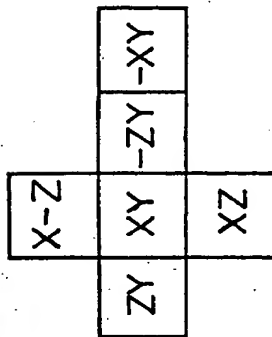


FIG. 29C

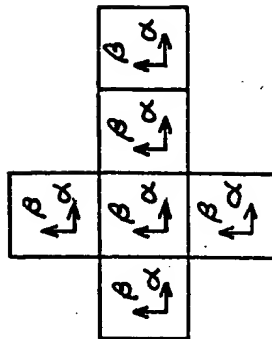


FIG. 29D

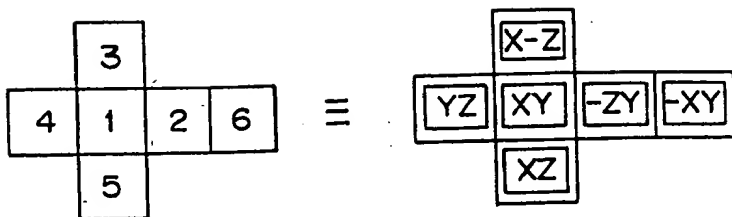


FIG. 30A

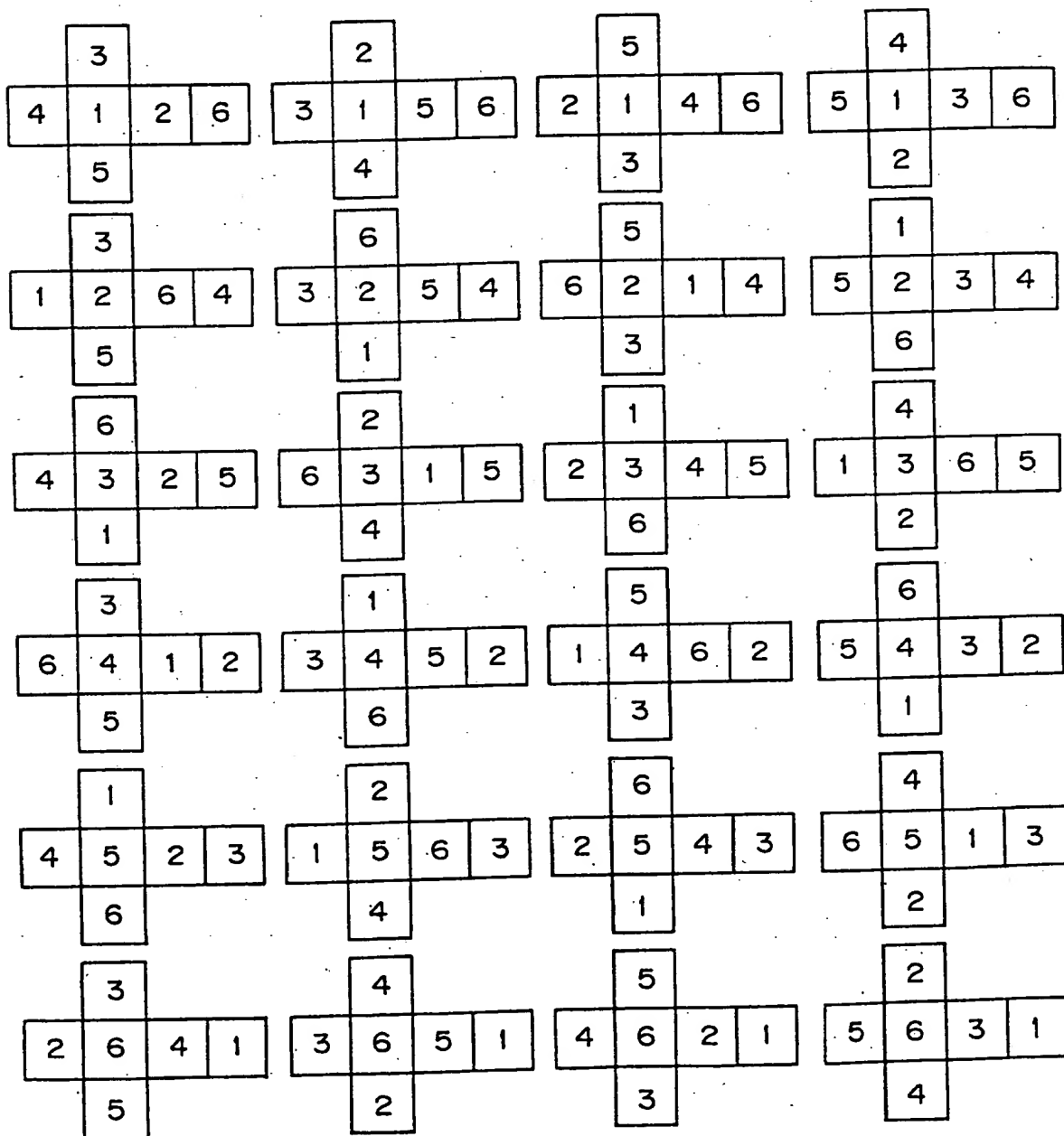
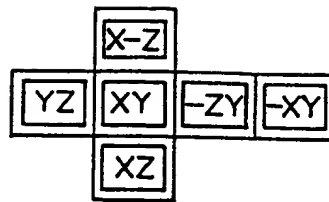


FIG. 30B

PARENT
FIGURE



CHILD FIGURE

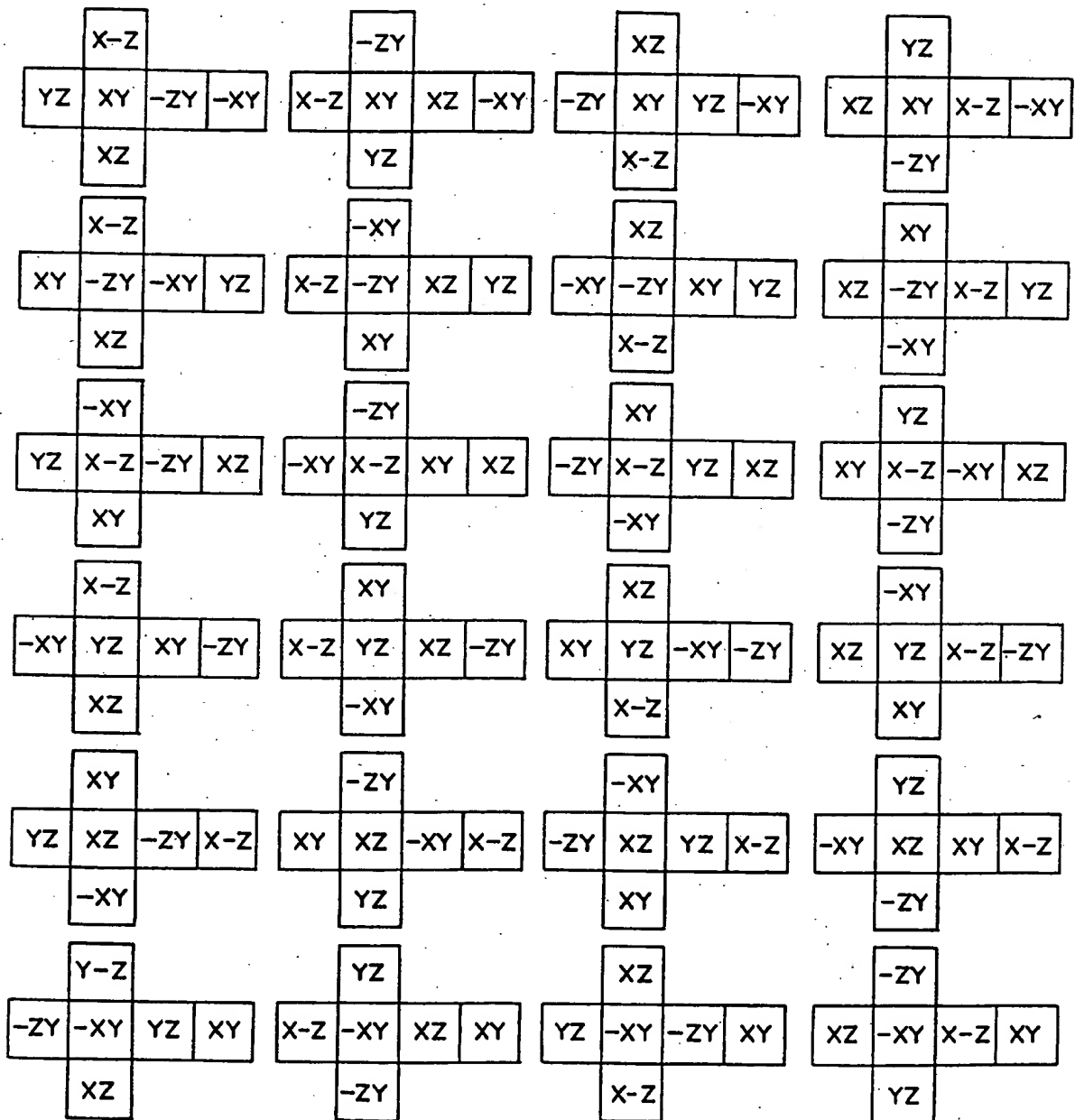
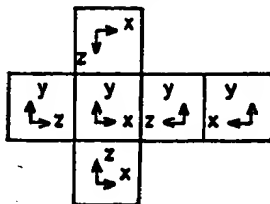


FIG. 31

PARENT FIGURE



CHILD FIGURE

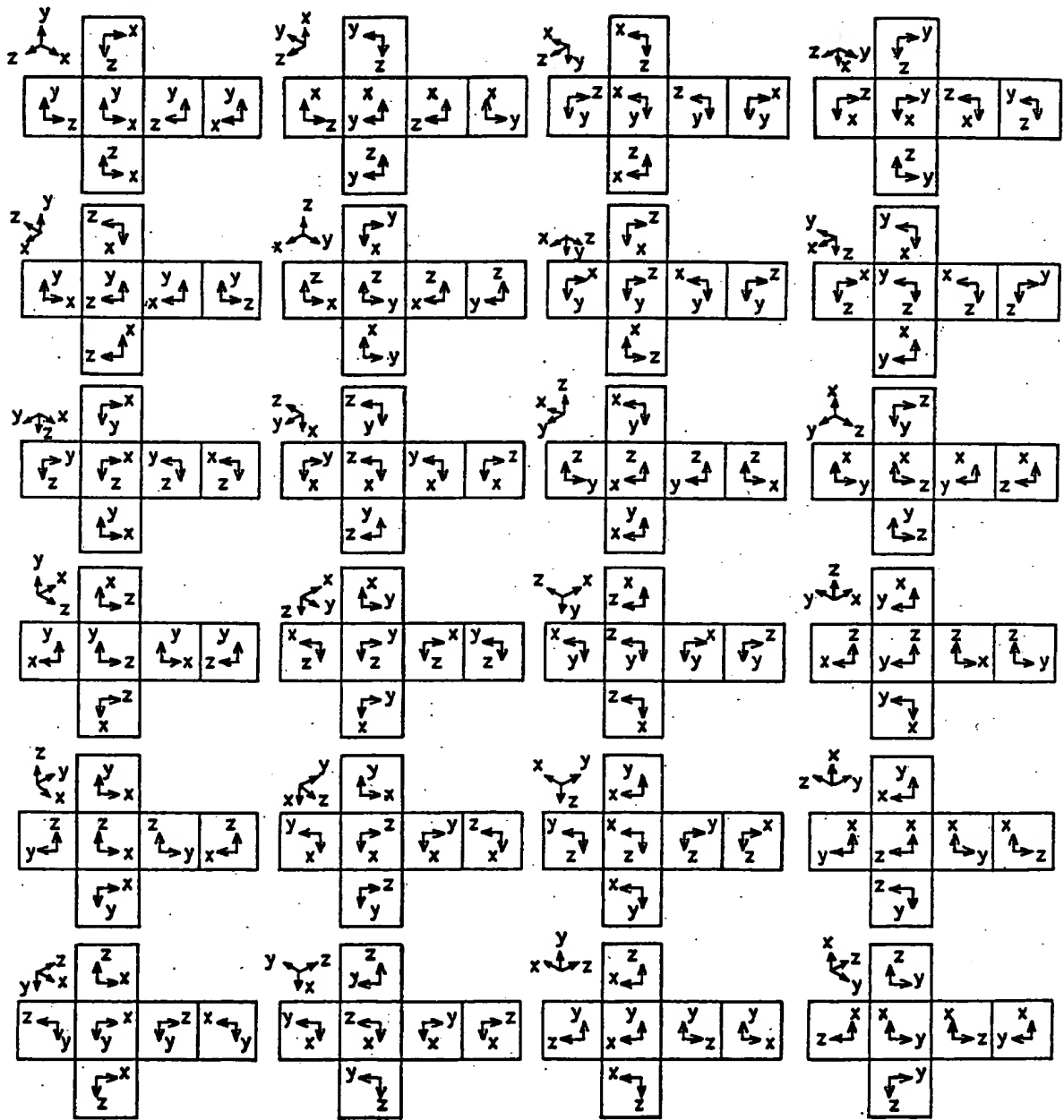
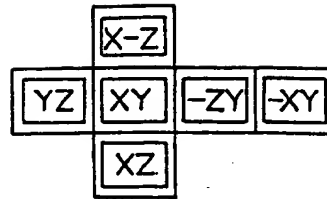
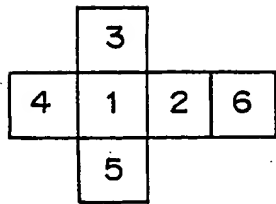


FIG. 32



$0^\circ, \pm 90^\circ, 180^\circ, 270^\circ$:
COUNTERCLOCKWISE
REVOLUTION

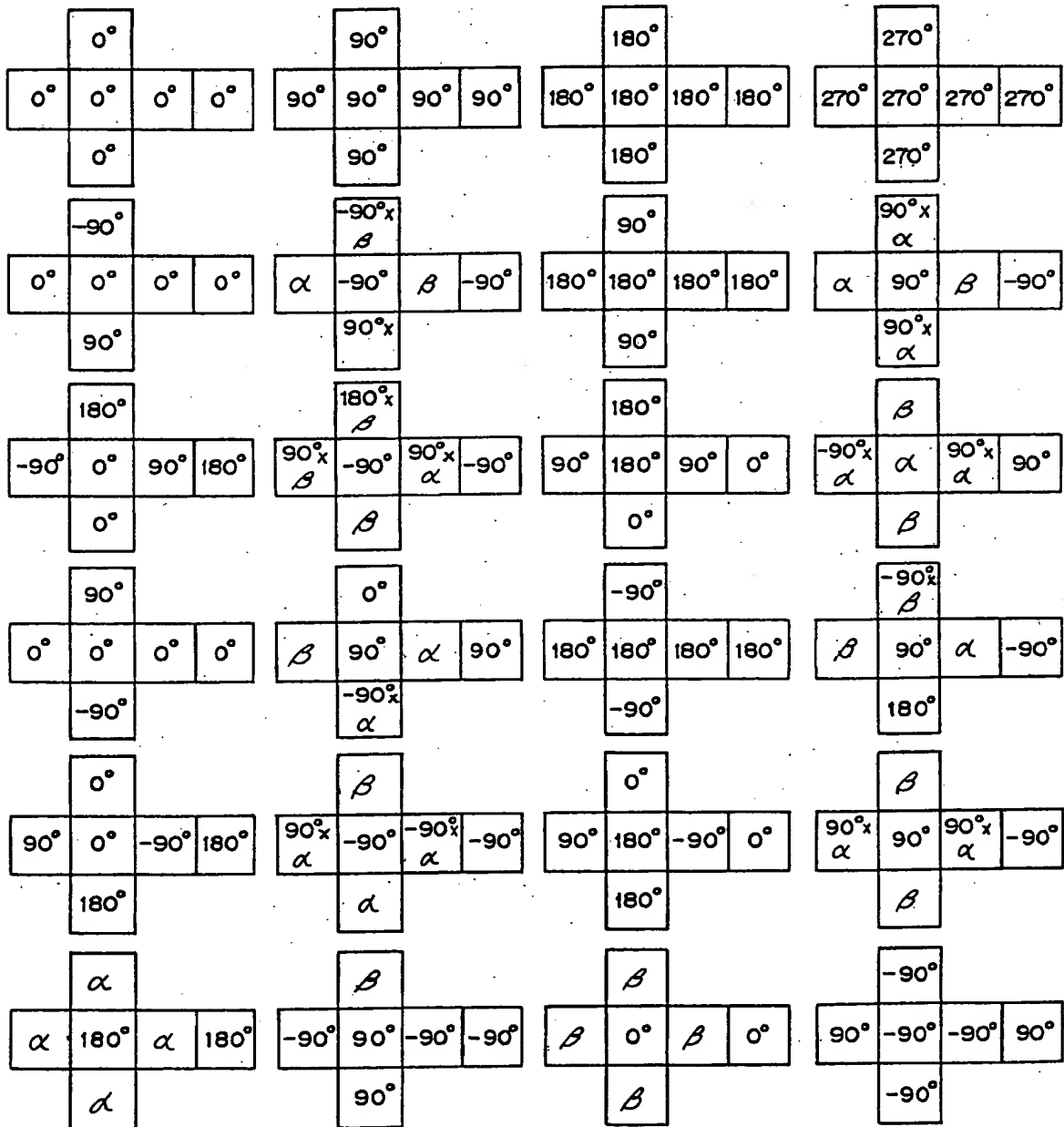
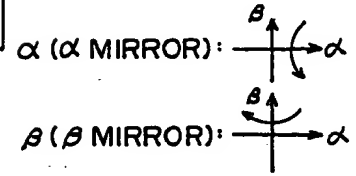


FIG. 33

[illegible]

ORDER ID	PARENT MODEL ID	PLACED CHILD MODEL ID	NUMBER OF PLACED MODELS	TERMINAL PROCESS FLAG
A	1	2, 3, 4,	3	0
B	2	5, 6	2	0
C	3	7, 8	2	1
D	4	9, 10	2	0
E	5	11, 12	2	1
F	6	13	1	1
G	9	14	1	1
H	10	15, 16	2	0
I	15	17	1	1

FIG. 36

2025 RELEASE UNDER E.O. 14176

TERMINAL MODEL TABLE								
NUMBER OF TERMINAL MODELS = N								
NUMBER	1	2	3	4	5	6	7	8
MODEL ID	7	8	11	12	13	14	16	17

F I G. 37

2D, 3D PARTS STRUCTURE CORRESPONDENCE
TABLE

PARENTAGE PROCESS ID

CHILD MODEL ID

VIEW INTERLOCKING 2D PARTS STRUCTURE DATA
UNIT

NUMBER OF PLACED PLANE ID = N		
ID	PARENT FIGURE PLACED PLANE ID	CHILD FIGURE PLACED PLANE ID
1	XY (=1)	X-Z (=3)
	⋮	
N		

3D SPACE PLACEMENT FLAG

1 = REFERENCE SET, 0 = REFERENCE NOT SET

FIG. 38

PRIOR PARENT HOLDING TABLE		
PARENTAGE PROCESS ID		
NUMBER OF CHILD MODELS		
ID	CHILD MODEL ID	CHECK FLAG
1	5	1
2	6	0

F I G. 3 9

SPATIAL PLACEMENT INFORMATION TEMP DATA	
3D PLACEMENT POSITION	(x, y, z)
FIRST AXIS	(1, 0, 0)
SECOND AXIS	(0, 1, 0)

FIG. 40

PARALLEL PLANE MANAGEMENT TABLE		
COMBINATION ID	PLANE 1	PLANE 2
1	1	6
2	2	4
3	3	5

FIG. 41

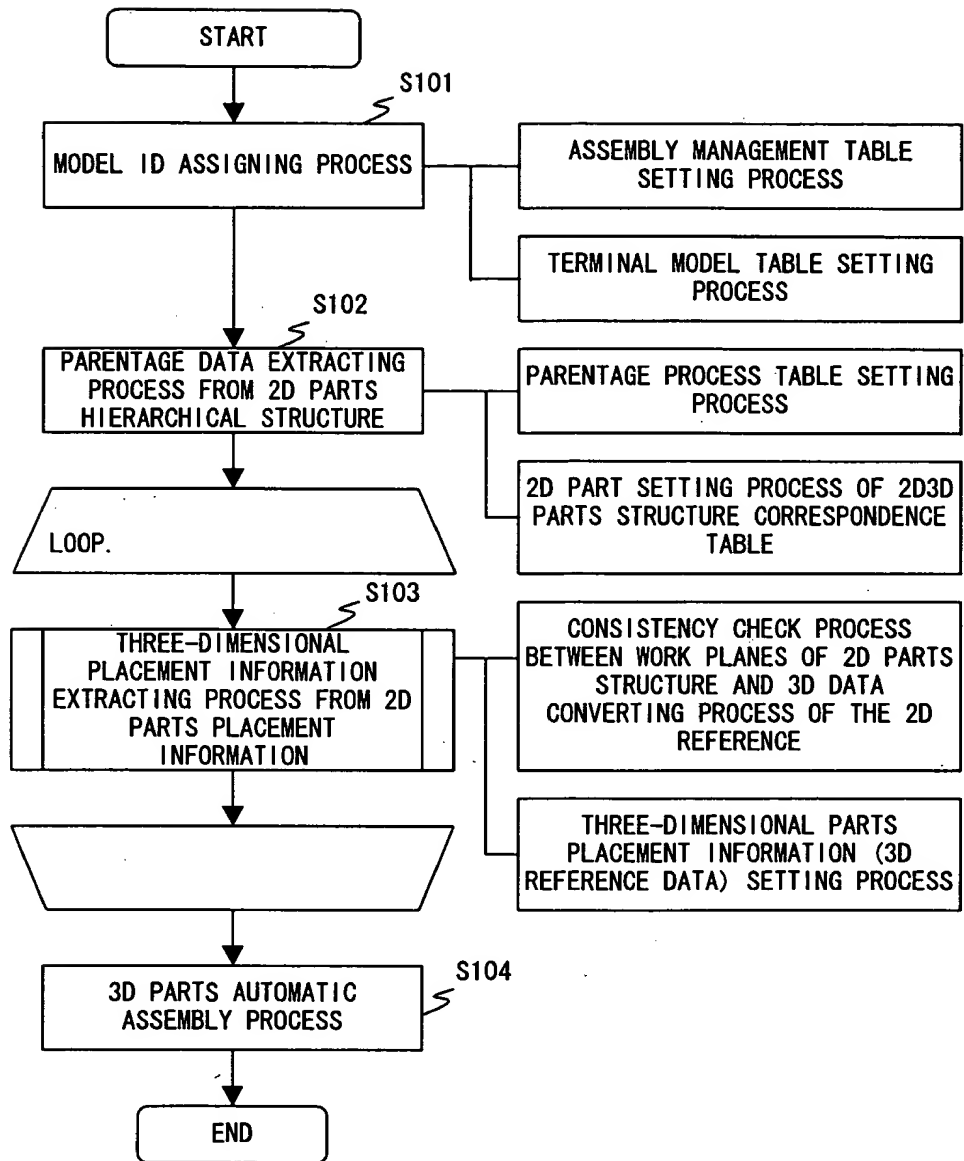


FIG. 42

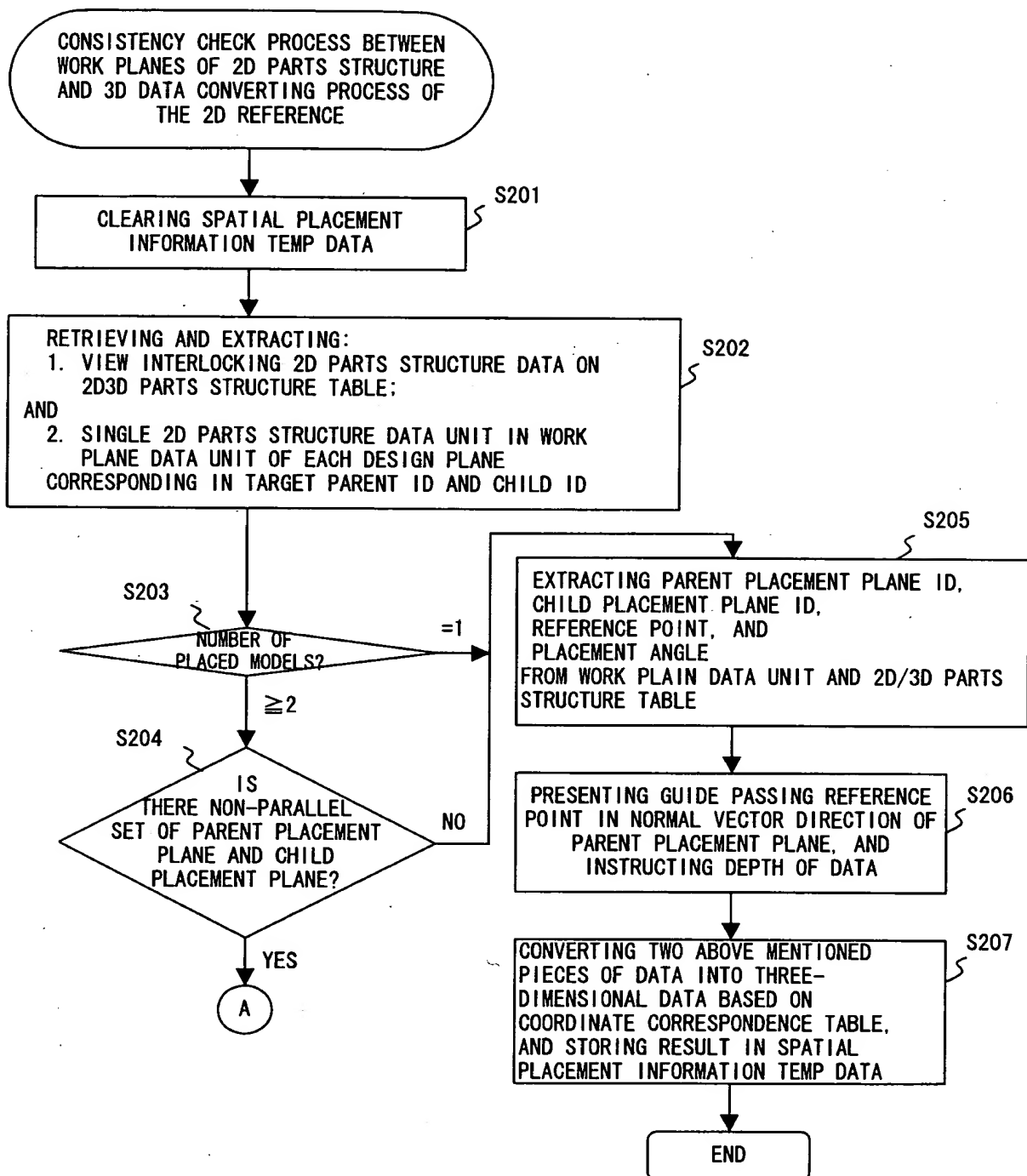


FIG. 43

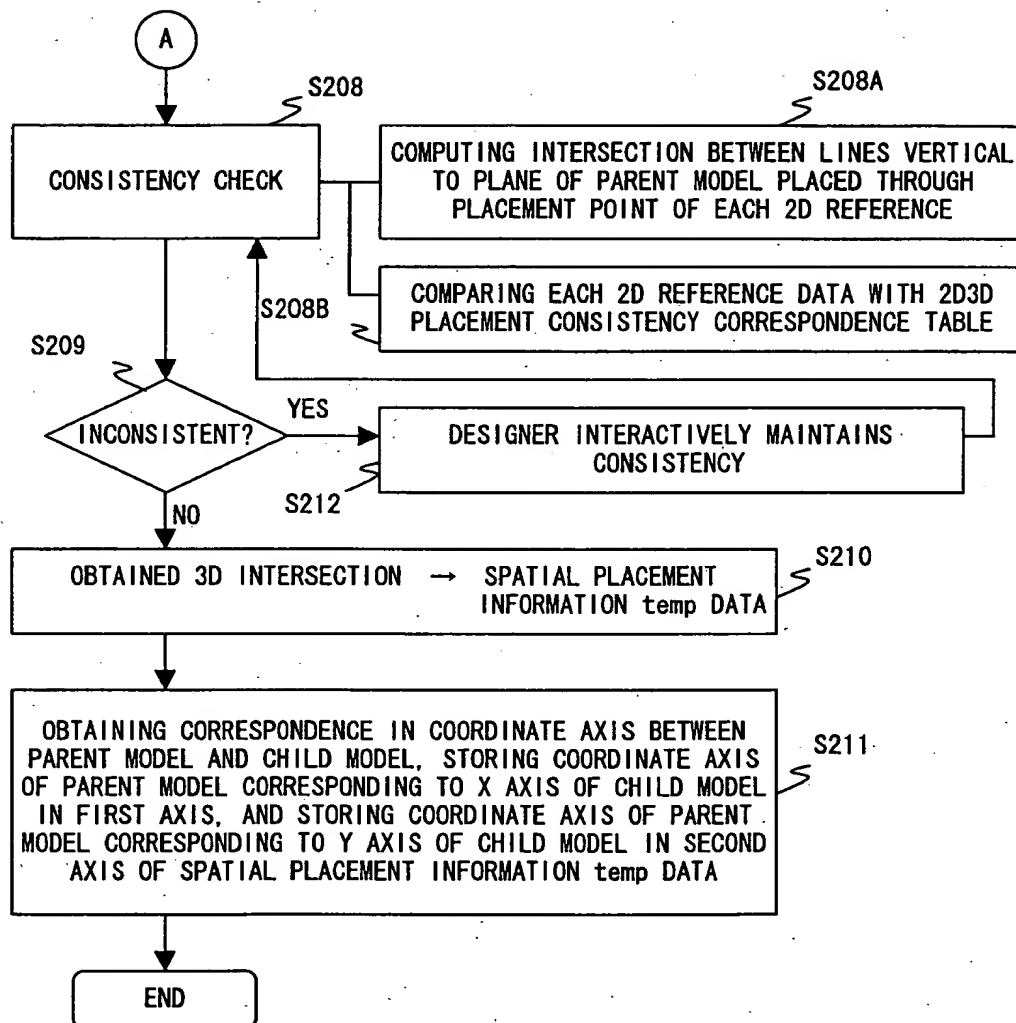


FIG. 44

THREE-DIMENSIONAL PARTS
PLACEMENT INFORMATION (3D REFERENCE
DATA) SETTING PROCESS

STORING SPATIAL PLACEMENT INFORMATION temp
DATA OBTAINED IN PRIOR PROCESS IN SINGLE 3D
PARTS STRUCTURE DATA UNIT IN WORK PLANE
DATA UNIT OF CORRESPONDING PARENT MODEL AS
3D REFERENCE INFORMATION

S301

SETTING 3D SPACE PLACEMENT FLAG OF
CORRESPONDING 2D3D PARTS STRUCTURE
CORRESPONDENCE TABLE

S302

END

FIG. 45

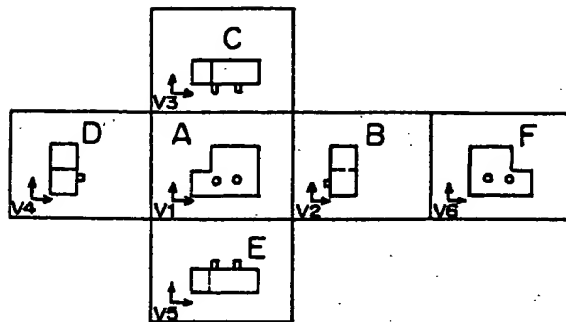


FIG. 46A

		V1	V2	V3	V4	V5	V6
A							
B							
C							
D							
E							
F							

FIG. 46B

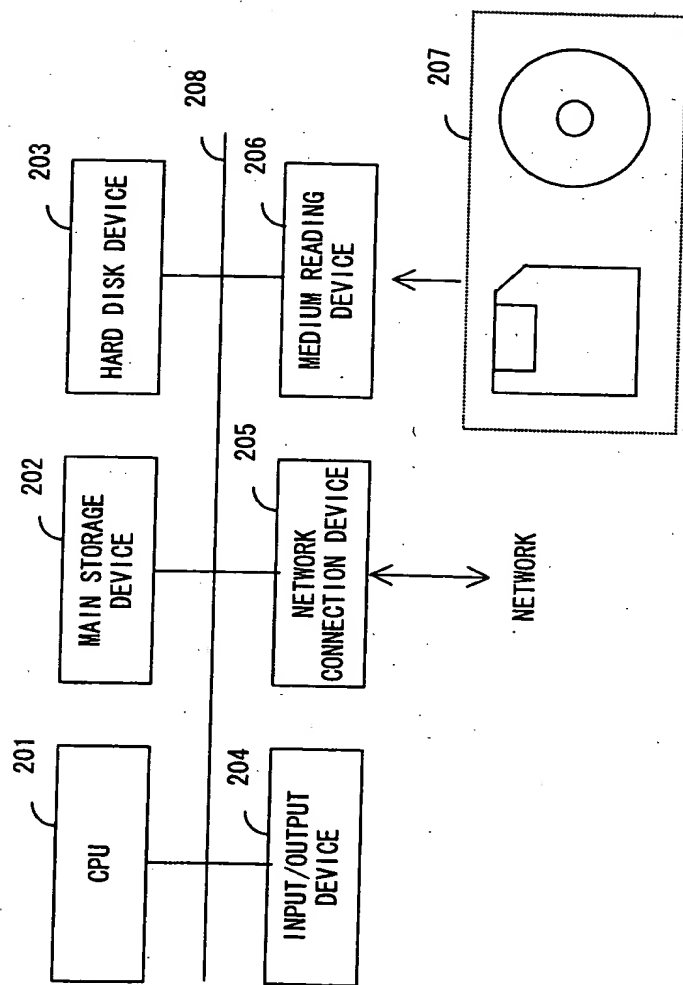


FIG. 47

FIG. 48

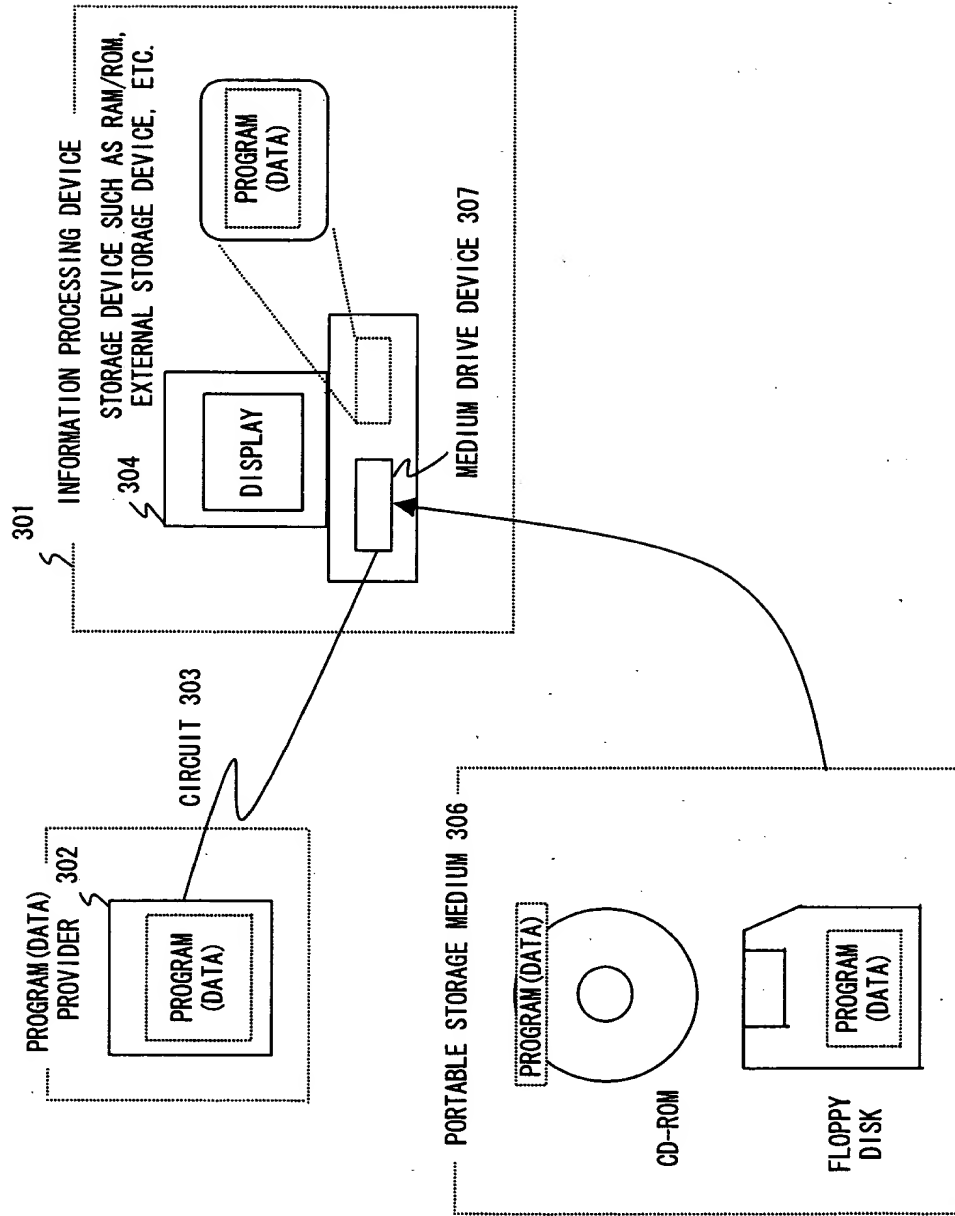


FIG. 48